

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

ABSTRACT OF THE DISCLOSURE

An electrical coil, particularly a shim coil for use in magnetic resonance imaging spectroscopy, is ~~would~~wound so that there are a plurality of layers with each layer having a plurality of turns. Insulating material is disposed between the turns of each layer. This reduces the capacitance between the turns and has the effect of increasing the self-resonant frequency of the coil. In another embodiment, the coil turn connections are effected so as to divide the overall coil into electrically separated portions and this also increases the self-resonant frequency of the coil.